

UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office

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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
09/269,250	5/21/99	Goulmy	58994/RDK/JML

Robert D. Katz
Cooper & Dunham LLP
1185 Avenue of the Americas
New York, NY 10036

1m. 1. 12. 02
2m. 2. 12. 02
3m. 3. 12. 02
4m. 4. 12. 02
5m. 5. 12. 02
6m. 6. 12. 02

AP

EXAMINER	
Jehanne Souaya	
ART UNIT	PAPER NUMBER
1655	18

DATE MAILED:

Please find below a communication from the EXAMINER in charge of this application.

Commissioner of Patents

DEC 17 2001

This application contains sequence disclosures that are encompassed by the definitions for nucleotide and/or amino acid sequences set forth in 37 CFR 1.821(a)(1) and (a)(2). A computer readable form (CRF) of the sequence listing was submitted. However, the CRF could not be processed by the Scientific and Technical Information Center (STIC) for the reason(s) set forth on the attached CRF Diskette Problem Report.

Applicant is given ONE MONTH, or THIRTY DAYS, whichever is longer, from the mailing date of this letter within which to comply with the sequence rules, 37 CFR 1.821 - 1.825. Failure to comply with these requirements will result in ABANDONMENT of the application under 37 CFR 1.821(g). Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a). In no case may an applicant extend the period for reply beyond the SIX MONTH statutory period. Direct the reply to the undersigned. Applicant is requested to return a copy of the attached CRF Diskette Problem Report with the reply.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to examiner Jehanne Souaya whose telephone number is (703)308-6565. The examiner can normally be reached Monday-Friday from 9:00 AM to 6:00 PM.

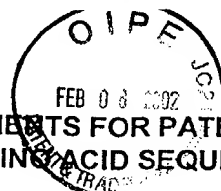
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gary Jones, can be reached on (703) 308-1152. The fax phone number for this Group is (703) 305-3014.

Any inquiry of a general nature should be directed to the Group receptionist whose telephone number is (703) 308-0196.

Jehanne Souaya

Jehanne Souaya
Patent examiner
Art Unit 1655

Dec. 11, 2001



Application No.: 09/269,250

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE DISCLOSURES

Applicant must file the items indicated below within the time period set the Office action to which the Notice is attached to avoid abandonment under 35 U.S.C. § 133 (extensions of time may be obtained under the provisions of 37 CFR 1.136(a)).

The nucleotide and/or amino acid sequence disclosure contained in this application does not comply with the requirements for such a disclosure as set forth in 37 C.F.R. 1.821 - 1.825 for the following reason(s):

- ☐ 1. This application clearly fails to comply with the requirements of 37 C.F.R. 1.821-1.825. Applicant's attention is directed to the final rulemaking notice published at 55 FR 18230 (May 1, 1990), and 1114 OG 29 (May 15, 1990). If the effective filing date is on or after July 1, 1998, see the final rulemaking notice published at 63 FR 29620 (June 1, 1998) and 1211 OG 82 (June 23, 1998).
- ☐ 2. This application does not contain, as a separate part of the disclosure on paper copy, a "Sequence Listing" as required by 37 C.F.R. 1.821(c).
- ☐ 3. A copy of the "Sequence Listing" in computer readable form has not been submitted as required by 37 C.F.R. 1.821(e).
- ☒ 4. A copy of the "Sequence Listing" in computer readable form has been submitted. However, the content of the computer readable form does not comply with the requirements of 37 C.F.R. 1.822 and/or 1.823, as indicated on the attached copy of the marked -up "Raw Sequence Listing."
- ☐ 5. The computer readable form that has been filed with this application has been found to be damaged and/or unreadable as indicated on the attached CRF Diskette Problem Report. A Substitute computer readable form must be submitted as required by 37 C.F.R. 1.825(d).
- ☐ 6. The paper copy of the "Sequence Listing" is not the same as the computer readable from of the "Sequence Listing" as required by 37 C.F.R. 1.821(e).
- ☐ 7. Other: _____

Applicant Must Provide:

- ☒ An initial or substitute computer readable form (CRF) copy of the "Sequence Listing".
- ☒ An initial or substitute paper copy of the "Sequence Listing", as well as an amendment directing its entry into the specification.
- ☒ A statement that the content of the paper and computer readable copies are the same and, where applicable, include no new matter, as required by 37 C.F.R. 1.821(e) or 1.821(f) or 1.821(g) or 1.825(b) or 1.825(d).

For questions regarding compliance to these requirements, please contact:

For Rules Interpretation, call (703) 308-4216

For CRF Submission Help, call (703) 308-4212

PatentIn Software Program Support

Technical Assistance.....703-287-0200

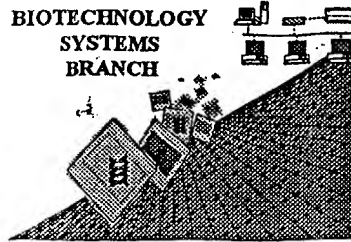
To Purchase PatentIn Software.....703-306-2600

PLEASE RETURN A COPY OF THIS NOTICE WITH YOUR REPLY

2004/4

RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY
SYSTEMS
BRANCH



The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/269,250C
Source: 1600
Date Processed by STIC: 11/12/2001

RECEIVED

FEB 15 2002

TECH CENTER 1600/2900

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 - 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

Re RUN



1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001

TIME: 16:22:35

Input Set : A:\58994.txt

Output Set : N:\CRF3\11122001\I269250C.raw

3 <110> APPLICANT: Goulmy, Elsa
5 <120> TITLE OF INVENTION: METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN
6 HA-1
8 <130> FILE REFERENCE: 2799/58994
10 <140> CURRENT APPLICATION NUMBER: 09/269,250C
--> 11 <141> CURRENT FILING DATE: 1999-05-21
13 <160> NUMBER OF SEQ ID NOS: 38
15 <170> SOFTWARE: PatentIn Ver. 2.1
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 377
19 <212> TYPE: DNA
20 <213> ORGANISM: Human
22 <400> SEQUENCE: 1
23 gtgagagcca cggggacacc gaggcctggg tggaagacag agccagaccc aagggaggat 60
24 ggagggaggg acttggggag gtcagaagg gagggaggct cagatggcag ggagggctgt 120
25 gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttg tgggggagtc 180
26 cctgagcgta cactggctca agagggtgcc cactttatit tttttaaagg atctgatggc 240
27 aattaggagg gahaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga 300
28 gaatgcattt gggggccaag gtgtggggtg ccgctggtgt aggatgaagg catgacaacg 360
29 ccaggcagaa gggcaat 377
32 <210> SEQ ID NO: 2
33 <211> LENGTH: 20
34 <212> TYPE: DNA
35 <213> ORGANISM: Artificial Sequence
37 <220> FEATURE:
38 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
40 <400> SEQUENCE: 2
41 gtgctgcctc ctggacactg 20
44 <210> SEQ ID NO: 3
45 <211> LENGTH: 20
46 <212> TYPE: DNA
47 <213> ORGANISM: Artificial Sequence
49 <220> FEATURE:
50 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
52 <400> SEQUENCE: 3
53 tggctctcac cgtcatgcag 20
56 <210> SEQ ID NO: 4
57 <211> LENGTH: 20
58 <212> TYPE: DNA
59 <213> ORGANISM: Artificial Sequence
61 <220> FEATURE:
62 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
64 <400> SEQUENCE: 4
65 tggctctcac cgtcacgcaa 20
68 <210> SEQ ID NO: 5
69 <211> LENGTH: 20
70 <212> TYPE: DNA

4-5
Does Not Comply
Corrected Diskette Needed

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001

TIME: 16:22:35

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

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71 <213> ORGANISM: Artificial Sequence
73 <220> FEATURE:
74 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
76 <400> SEQUENCE: 5
77 gcattctctg ttcccggtt 20
80 <210> SEQ ID NO: 6
81 <211> LENGTH: 20
82 <212> TYPE: DNA
83 <213> ORGANISM: Artificial Sequence
85 <220> FEATURE:
86 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
88 <400> SEQUENCE: 6
89 cttaaggagt gtgtgctgca 20
92 <210> SEQ ID NO: 7
93 <211> LENGTH: 20
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
100 <400> SEQUENCE: 7
101 cttaaggagt gtgtgttgca 20
104 <210> SEQ ID NO: 8
105 <211> LENGTH: 20
106 <212> TYPE: DNA
107 <213> ORGANISM: Artificial Sequence
109 <220> FEATURE:
110 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
112 <400> SEQUENCE: 8
113 gctgtcatgg cctcttccac 20
116 <210> SEQ ID NO: 9
117 <211> LENGTH: 20
118 <212> TYPE: DNA
119 <213> ORGANISM: Artificial Sequence
121 <220> FEATURE:
122 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
124 <400> SEQUENCE: 9
125 gcattctctg ttcccggtt 20
128 <210> SEQ ID NO: 10
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130 <212> TYPE: DNA
131 <213> ORGANISM: Artificial Sequence
133 <220> FEATURE:
134 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
136 <400> SEQUENCE: 10
137 ggcagagagc cctcgcagcc 20
140 <210> SEQ ID NO: 11
141 <211> LENGTH: 18
142 <212> TYPE: DNA
143 <213> ORGANISM: Artificial Sequence

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001

TIME: 16:22:35

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

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148 <400> SEQUENCE: 11
149 gtgtgttgcg tgacggtg 18
152 <210> SEQ ID NO: 12
153 <211> LENGTH: 15
154 <212> TYPE: DNA
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
160 <400> SEQUENCE: 12
161 gtgtgttgcg tgacg 15
164 <210> SEQ ID NO: 13
165 <211> LENGTH: 16
166 <212> TYPE: DNA
167 <213> ORGANISM: Artificial Sequence
169 <220> FEATURE:
170 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
172 <400> SEQUENCE: 13
173 tgtgtgttgc gtgacg 16
176 <210> SEQ ID NO: 14
177 <211> LENGTH: 19
178 <212> TYPE: DNA
179 <213> ORGANISM: Artificial Sequence
181 <220> FEATURE:
182 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
184 <400> SEQUENCE: 14
185 tgtgtgctgc atgacggtg 19
188 <210> SEQ ID NO: 15
189 <211> LENGTH: 18
190 <212> TYPE: DNA
191 <213> ORGANISM: Artificial Sequence
193 <220> FEATURE:
194 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
196 <400> SEQUENCE: 15
197 tgtgtgctgc atgacggt 18
200 <210> SEQ ID NO: 16
201 <211> LENGTH: 18
202 <212> TYPE: DNA
203 <213> ORGANISM: Artificial Sequence
205 <220> FEATURE:
206 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
208 <400> SEQUENCE: 16
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211 <210> SEQ ID NO: 17
212 <211> LENGTH: 27
213 <212> TYPE: DNA
214 <213> ORGANISM: Artificial Sequence
216 <220> FEATURE:

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001

TIME: 16:22:35

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

217 <221> NAME/KEY: CDS
 218 <222> LOCATION: (1)..(27)
 220 <220> FEATURE:
 221 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
 222 Fragments

224 <400> SEQUENCE: 17

225 gtg ttg cgt gac gac ctc ctt gag gcc

226 Val Leu Arg Asp Asp Leu Leu Glu Ala

227 1 5

27

230 <210> SEQ ID NO: 18

231 <211> LENGTH: 9

232 <212> TYPE: PRT

233 <213> ORGANISM: Artificial Sequence

--> 234 <220> FEATURE:

234 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon

237 <400> SEQUENCE: 18

238 Val Leu Arg Asp Asp Leu Leu Glu Ala

239 1 5

243 <210> SEQ ID NO: 19

244 <211> LENGTH: 27

245 <212> TYPE: DNA

246 <213> ORGANISM: Artificial Sequence

248 <220> FEATURE:

249 <221> NAME/KEY: CDS

250 <222> LOCATION: (1)..(27)

252 <220> FEATURE:

253 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon

254 Fragments

256 <400> SEQUENCE: 19

257 gtg ctg cat gac gac ctc ctt gag gcc

258 Val Leu His Asp Asp Leu Leu Glu Ala

259 1 5

27

262 <210> SEQ ID NO: 20

263 <211> LENGTH: 9

264 <212> TYPE: PRT

265 <213> ORGANISM: Artificial Sequence

--> 266 <220> FEATURE:

266 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon

269 <400> SEQUENCE: 20

270 Val Leu His Asp Asp Leu Leu Glu Ala

271 1 5

275 <210> SEQ ID NO: 21

276 <211> LENGTH: 23

277 <212> TYPE: DNA

278 <213> ORGANISM: Artificial Sequence

280 <220> FEATURE:

281 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon

282 Fragments

284 <400> SEQUENCE: 21

*insert this mandatory name identifier
 whenever
 <221>, <222>, or
 <223> is shown*

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001
TIME: 16:22:36

Input Set : A:\58994.txt
Output Set: N:\CRF3\11122001\I269250C.raw

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285 gtgttgctg acggtgagag cca
288 <210> SEQ ID NO: 22
289 <211> LENGTH: 37
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Description of Artificial Sequence: Exon
295 Fragments
297 <400> SEQUENCE: 22
298 ctcaactcga ctctcccag cagacctcct tgaggcc
300 <210> SEQ ID NO: 23
301 <211> LENGTH: 33
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
308 <400> SEQUENCE: 23
309 ccggcatgga cgtcgtcgag gacatctccc atc
312 <210> SEQ ID NO: 24
313 <211> LENGTH: 30
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Description of Artificial Sequence: Primer
320 <400> SEQUENCE: 24
321 ctacttcagg ccacagcaat cgtctccagg
323 <210> SEQ ID NO: 25
324 <211> LENGTH: 39
325 <212> TYPE: DNA
326 <213> ORGANISM: Artificial Sequence
328 <220> FEATURE:
329 <221> NAME/KEY: CDS
330 <222> LOCATION: (1)..(39)
332 <220> FEATURE:
333 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Product
335 <400> SEQUENCE: 25
336 gag tgt gtg ttg cgt gac gac ctc ctt gag gcc cgc cgc
337 Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
338 1 5 10
341 <210> SEQ ID NO: 26
342 <211> LENGTH: 13
343 <212> TYPE: PRT
344 <213> ORGANISM: Artificial Sequence
--> 345 <220> FEATURE:
345 <223> OTHER INFORMATION: Description of Artificial Sequence: PCR Product
347 <400> SEQUENCE: 26
348 Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
349 1 5 10
353 <210> SEQ ID NO: 27

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The types of errors shown exist throughout the Sequence Listing. Please check subsequent sequences for similar errors.

Use of n and/or Xaa has been detected in the Sequence Listing. Review the Sequence Listing to insure a corresponding explanation is presented in the <220> to <223> fields of each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/269,250C

DATE: 11/12/2001

TIME: 16:22:37

Input Set : A:\58994.txt

Output Set: N:\CRF3\11122001\I269250C.raw

.:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date
 .:234 M:258 W: Mandatory Feature missing, <220> FEATURE:
 .:266 M:258 W: Mandatory Feature missing, <220> FEATURE:
 .:345 M:258 W: Mandatory Feature missing, <220> FEATURE:
 .:375 M:258 W: Mandatory Feature missing, <220> FEATURE:
 .:393 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29
 .:482 M:258 W: Mandatory Feature missing, <220> FEATURE:
 .:505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:37